

Amendment to the Title:

Please replace the Title with the following:

RECORDING MEDIUM APPARATUS

Amendments to the Specification:

Please replace the paragraph, beginning at page 1, line 6, with the following rewritten paragraph:

The present invention relates to a ~~recording-medium apparatus~~shock history data creating apparatus and method, used, for example, for portable hard disk recorders and digital cameras.

Please replace the paragraph, beginning at page 1, line 19, with the following rewritten paragraph:

The entire disclosure of Japanese Laid-Open Patent Application No. H04-264627 ~~are~~ is incorporated herein by ~~citation (reference)~~reference in its entirety.

Please replace the paragraph, beginning at page 2, line 1, with the following rewritten paragraph:

The inventor considers that it frequently occurs that a failure on the disk portion occurs due to a shock applied through carelessness without the user being aware of it, not only in portable disk control apparatuses such as portable hard disk recorders and digital cameras, but also in stationary disk control apparatuses.

Please replace the paragraph, beginning at page 2, line 15, with the following rewritten paragraph:

In view of the above-mentioned ~~conventional problem of conventional disk control apparatuses~~, an object of the present invention is to provide a ~~recording-medium~~shock history data creating apparatus capable of more reliably diagnosing the cause of, for example, a failure on the disk portion.

Please replace the paragraph, beginning at page 2, line 19, with the following rewritten paragraph:

A first aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus comprising:

Please replace the paragraph, beginning at page 3, line 4, with the following rewritten paragraph:

A second aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising:

Please replace the paragraph, beginning at page 3, line 12, with the following rewritten paragraph:

A third aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising control means of performing control relating to the data reading and/or writing based on a plurality of operation modes,

Please replace the paragraph, beginning at page 3, line 20, with the following rewritten paragraph:

A fourth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the third aspect of the present invention, further comprising operation mode detecting means of detecting the operation mode,

Please replace the paragraph, beginning at page 4, line 2, with the following rewritten paragraph:

A fifth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising reading/writing position detecting means of detecting a reading/writing position of the predetermined recording medium on which the data reading or writing is performed,

Please replace the paragraph, beginning at page 4, line 11, with the following rewritten paragraph:

A sixth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising place time detecting means of detecting a place and/or time,

Please replace the paragraph, beginning at page 4, line 18, with the following rewritten paragraph:

A seventh aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising shock level criterion changing means of changing the shock level criterion in accordance with an external instruction.

Please replace the paragraph, beginning at page 4, line 23, with the following rewritten paragraph:

An eighth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, wherein the shock level criterion is a criterion relating to a level of the shock determined for each of a plurality of predetermined directions.

Please replace the paragraph, beginning at page 5, line 3, with the following rewritten paragraph:

A ninth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the eighth aspect of the present invention, wherein the shock history data creating means writes information on the predetermined direction in which the shock is applied into the shock history data.

Please replace the paragraph, beginning at page 5, line 8, with the following rewritten paragraph:

A tenth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the eighth aspect of the present invention, wherein the predetermined recording medium is a hard disk,

Please replace the paragraph, beginning at page 5, line 22, with the following rewritten paragraph:

An eleventh aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising data reading and writing inhibiting means of inhibiting data reading and/or writing when the detected shock exceeds a predetermined limit.

Please replace the paragraph, beginning at page 6, line 3, with the following rewritten paragraph:

A twelfth aspect of the present invention is a ~~recording-medium~~shock history data creating apparatus according to the first aspect of the present invention, further comprising:

Please replace the paragraph, beginning at page 6, line 13, with the following rewritten paragraph:

A thirteenth aspect of the present invention is a ~~recording-medium~~shock history data creating method comprising:

Please replace the paragraph, beginning at page 6, line 23, with the following rewritten paragraph:

A fourteenth aspect of the present invention is a program of causing a computer to execute the shock history data creating step, of the ~~recording-medium~~shock history data creating method of the thirteenth aspect of the present invention, of creating shock history data concerning the detected shock based on a predetermined shock level criterion relating to a level of the shock.

Please replace the paragraph, beginning at page 15, line 19, with the following rewritten paragraph:

The disk control apparatus of the present embodiment corresponds to the ~~recording-medium~~shock history data creating apparatus of the present invention.

Please replace the paragraph, beginning at page 16, line 25, with the following rewritten paragraph:

An embodiment of the ~~recording-medium~~shock history data creating method of the present invention will also be described while the operation of the disk control apparatus of the present embodiment is described.

Please replace the paragraph, beginning at page 27, line 8, with the following rewritten paragraph:

(F) Moreover, the ~~recording-medium~~shock history data creating apparatus of the present invention may further comprise reading/writing position detecting means of detecting the reading/writing position of a predetermined recording medium on which data reading or writing is performed, and the shock history data generating means of the present invention may write information on the detected reading/writing position into the shock history data.

Please replace the paragraph, beginning at page 28, line 5, with the following rewritten paragraph:

(G) Moreover, the ~~recording medium~~shock history data creating apparatus of the present invention may further comprise data reading and writing inhibiting means of inhibiting data reading and/or writing when the detected shock exceeds a predetermined limit.

Please replace the paragraph, beginning at page 28, line 18, with the following rewritten paragraph:

(H) Moreover, the ~~recording medium~~shock history data creating apparatus of the present invention may further comprise a shock history data memory accumulating created shock history data, warning creating means of creating a warning relating to the detected shock based on the accumulated shock history data, and warning external output means of outputting the created warning to the outside at predetermined timing.

Please replace the paragraph, beginning at page 29, line 19, with the following rewritten paragraph:

(I) The program of the present invention is a program of causing a computer to execute the operations of all or some of the steps (or processes, operations, workings or the like) of the above-described ~~recording medium~~shock history data creating method of the present invention, ~~said~~the program operating in concert with the computer.

Please replace the paragraph, beginning at page 29, line 25, with the following rewritten paragraph:

Moreover, the recording medium of the present invention is a recording medium holding a program of causing a computer to execute all or some of the operations of all or some of the steps (or processes, operations, workings or the like) of the above-described ~~recording medium~~shock history data creating method of the present invention, ~~said~~the recording medium being computer-readable and ~~said~~the program that is read out executing the operations in concert with the computer.

Please delete the title, beginning at page 32, line 5:

~~Industrial Applicability~~